GRID EDITING

(Wind)

SGX - 12/02

Wind   (Every 3-hours to 72 hours)

Don't spend a lot of time editing winds except for those areas and periods when winds are significant

Method

0-48 hours

Keep the existing forecast or populate with the MesoEta ("**Populate**", "**Load_MesoEta_Wind**") and/or WsEta ("**Populate**", "**Load_WsEta_Wind**")
(these options will load Wind)

48-72 hours

Copy Day 2 to Day 3 ("**Populate**", "**Make_Day3_Wind**")

Editing Speed and Direction

Tool	Weather Element to Edit	Create grids from scratch	Edit Area
Wind_fm_MesoEta (this tool assigns the corresponding wind from the MesoEta above a user-specified elevation)	Wind	No	**SGX_plus** (Edit Areas, BASE_SGX, SGX_plus)
Wind_fm_WsEta (this tool assigns the corresponding wind from the WsEta above a user-specified elevation)	Wind	No	**SGX_plus** (Edit Areas, BASE_SGX, SGX_plus)

Editing Direction

Use the pencil tool as a streamline tool:

1) Set to vector edit mode:

RMB (right mouse button), "Vector Edit Mode", "Direction Only"
(set back to "Both" once editing of wind direction is done - very important)

2) Select an edit area, use of the pencil tool as a streamline tool only applies within an edit area

3) Select the pencil tool, wind barbs will align along the path of the pencil tool

4) To adjust the influence area of the pencil tool:

RMB (right mouse button), "Pencil Tool Influence", (select distance)

Editing Speed

Tools	Weather Element to Edit	Create grids from scratch	Edit Area
UpVly **UpMtn** **DownVly** **DownMtn**	Wind	No	Any

Wind   (Every 12-hours for days 4-7 as needed)

Used to create wind speeds for the formatters in the mountains in the extended when winds may be significant.

Method

Tools	Weather Element to Edit	Create grids from scratch	Edit Area
Wind_fm_MRF_Mtns	Wind	As needed	Tool generates winds only for the SBD,RIV,SAN Mountains

GRID EDITING

(Wind20ft, WindGust, WindChill, HeatIndex)

SGX - 12/02

Wind20ft, WindGust (Every 3-hours to 72 hours)
Compute after **Wind** grids are **finalized**
Method
(**"Populate"**, **"Make_Wind_Derived"**)

WindChill (Every 3-hours to 72 hours)
Only compute as needed and after **T** and **Wind** grids are **finalized**
Method
(**"Populate"**, **"Make_WindChill"**)

HeatIndex (Every 3-hours to 72 hours)
Only compute as needed and after **T** and **RH** grids are **finalized**
Method
(**"Populate"**, **"Make_HeatIndex"**)

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